7 Twin Circle Drive, Arlington, MA 02474

To: Board of Selectmen, Arlington, Mass

From: Transportation Advisory Committee (TAC)

Subject: Curve at Westminster Avenue

Date: 26 October 2009

The Mt. Gilboa Neighborhood has long been known for its traffic safety concerns. Traffic speed has resulted in crashes into homes on the Westminster Avenue curve (the most recent involving a fatality) and a pedestrian fatality on Lowell Street, along with several less serious incidents. In 2007, the Board of Selectmen endorsed the formation of a working group of neighborhood residents and members of the TAC to identify solutions. The Westminster / Mt. Gilboa working group defined the following goals for the project: decrease overall speed, discourage excessive speeding, increase protection at Westminster curve, and increase pedestrian safety. Short-term recommendations were made, approved and implemented that year. Please refer to the TAC report Short-term Recommendations Westminster Ave and Lowell St (June 4, 2007).

The recommendations discussed in the following report concentrate on the Westminster Avenue Curve and focus on long-term safety improvements for pedestrians, motorists and residents. The old asphalt sidewalk is to be rebuilt in concrete and granite curbing is to be installed, with a buffer strip left between for grass and street trees. High-reveal granite curbing (@ 9" high) is recommended where the incidents of cars leaving the roadway have occurred (most of this section currently has no curbing), and bollards are recommended to replace several of the chevron signs installed as part of the short-term recommendations. These standard, reinforced steel bollards would be seated in concrete and covered with a decorative sleeve with a reflective band. At the TAC Meeting on 12 August 2009, these recommendations were voted unanimously:

- 1. Rebuild sidewalk at #72 through #34 in concrete (currently asphalt).
- Install standard and high-reveal granite curbing at #72 through #34 [see diagram in report], repairing/regrading the road edge as needed.
- 3. Remove 2 of the 9 chevron signs, and replace 4 of the remaining 7 signs with reinforced, reflective bollards [see attached examples].
- 4. Consult with individual property owners to increase safety at driveways and retaining walls [see diagram in report].
- 5. Consult the Tree Warden to evaluate mature trees at # 52/54 and # 40 for replacement and to recommend locations for planting additional trees after construction.

Respectfully submitted,

Elisabeth Carr-Jones – Working Group Chair Edward Starr – TAC Chair

The Westminster Avenue Curve Part of the Westminster / Mt. Gilboa Project

Arlington Transportation Advisory Committee (TAC) October 26, 2009

Introduction

This report outlines the TAC's recommendations for infrastructure changes to the Westminster Avenue curve. These changes represent the first of the long-term recommendations for the Westminster / Mt. Gilboa project.

Project Background

The Mt. Gilboa Neighborhood has long been known for its traffic safety concerns. Traffic speed has resulted in crashes into homes on the Westminster Avenue curve (the most recent involving a fatality) and a pedestrian fatality on Lowell Street, along with several less serious incidents.

In 2007, the Board of Selectmen endorsed the formation of a working group of neighborhood residents and members of the TAC to identify solutions. The Westminster / Mt. Gilboa working group defined the following goals for the project:

Decrease overall speed
Discourage excessive speeding
Increase protection at Westminster curve
Increase pedestrian safety.

This process resulted in short-term recommendations that were approved and implemented that year. The recommendations included: installing Stop signs on Westminster to create a 4-way stop at Westmoreland; installing multiple chevron signs at the Westminster curve; installing a speed advisory sign eastbound on Westminster before the curve; painting edge lines on Westminster and installing crosswalk signs on Lowell at three existing crosswalks. Please refer to the TAC report *Short-term Recommendations Westminster Ave and Lowell St* (June 4, 2007) for more information.

Recommendations

Our recommendations for the Westminster Avenue Curve concentrate on long-term safety improvements for pedestrians, motorists and residents. The old asphalt sidewalk is to be rebuilt in concrete and granite curbing is to be installed, with a buffer strip left between for grass and street trees. High-reveal granite curbing (@ 9" high) is recommended where the incidents of cars leaving the roadway have occurred (most of this section currently has no curbing), and bollards are recommended to replace several of the chevron signs installed as part of the short-term recommendations. These standard, reinforced steel bollards would be seated in concrete and covered with a decorative sleeve with a reflective band.

TAC's recommendations (as detailed in the attached diagram) are:

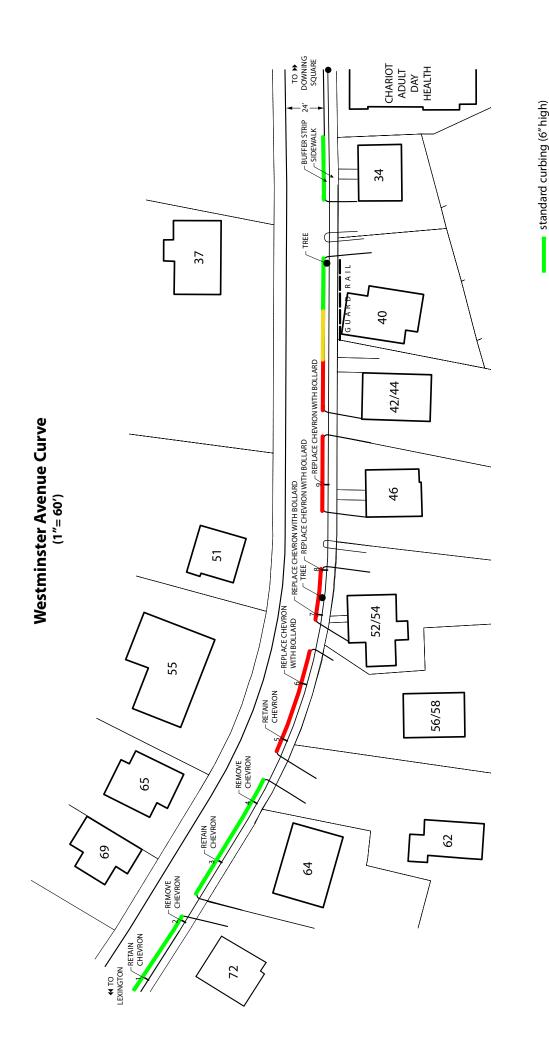
- 1. Rebuild sidewalk at #72 through #34 in concrete (currently asphalt).
- Install standard and high-reveal granite curbing at #72 through #34 [see diagram], repairing/regrading the road edge as needed.
- **3.** Remove 2 of the 9 chevron signs, and replace 4 of the remaining 7 signs with reinforced, reflective bollards [see attached examples].
- **4.** Consult with individual property owners to increase safety at driveways and retaining walls [see diagram].
- **5.** Consult the Tree Warden to evaluate mature trees at # 52/54 and # 40 for replacement and to recommend locations for planting additional trees after construction.

The diagram detailing these recommendations was mailed to the neighbors abutting the work during the week of September 28th and has been discussed with neighbors several times previously, including a recent on-site meeting.

Ongoing Work

Traffic data collected before and after installation of the short-term recommendations confirmed that further neighborhood traffic calming measures were needed. The TAC is studying further long-term infrastructure measures, including the installation of traffic calming devices on Westminster Avenue and Lowell Street and working with Lexington to modify the Westminster Avenue / Lowell Street intersection.

Several discussions regarding the traffic calming devices have been conducted with abutters. The working group plans to continue these discussions, refine the plans and conduct a neighborhood public meeting before submitting the remaining recommendations to the TAC and the Board of Selectmen.



TAC Recommendations for Westminster Avenue Curve

high-reveal curbing (@ 9" high) transition section (from 6" to 9")

- 1. Rebuild sidewalk at #72 through #34 in concrete (currently asphalt).
- 2. Install standard and high-reveal granite curbing at #72 through #34, repairing/regrading the road edge as needed.
- 3. Remove 2 of the 9 chevron signs, and replace 4 of the remaining 7 with reinforced, reflective bollards.
- 4. Consult with individual property owners to increase safety at driveways and retaining walls.
- 5. Consult the Tree Warden to evaluate mature trees at #52/54 and #40 for replacement and to recommend locations for planting additional trees after construction.

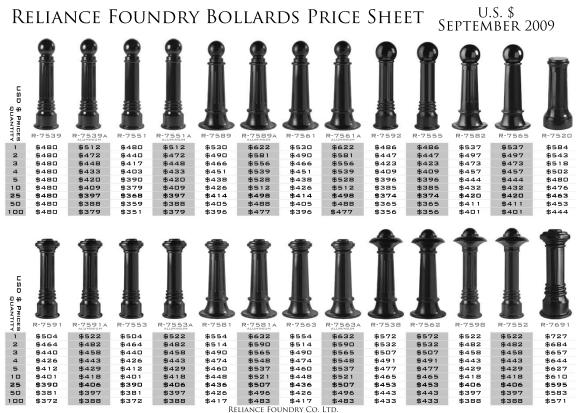








Condition of Roadway Edge and Sidewalk at Westminster Curve



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